

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	6	I4 and ((vibrat\$3 or shak\$3) same cylinder same piston)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/20 08:00
L5	133	I4 and (vibrat\$3 or shak\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/20 07:54
L4	736	(56/327.1).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/20 07:50
L3	65	(complex time variable signal codes) and (vibrat\$5)	US-PGPUB; USPAT; USOCR; EPO	SAME	ON	2009/07/20 06:45
L2	0	(complex time variable signal codes) and (vibrat\$5)	US-PGPUB; USPAT; USOCR; EPO	NEAR	ON	2009/07/20 06:44
L1	0	(complex time variable signal codes) and (vibrat\$5 same shak\$3)	US-PGPUB; USPAT; USOCR; EPO	NEAR	ON	2009/07/20 06:43
S143	1	("7310930").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/07/17 16:41
S142	1	("7310910").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/07/17 16:40
S141	1	("5074108").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/07/17 13:26

S140	18	(56/328.1.ccls. or 56/340.1.ccls.) and (react\$4 same mass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/17 13:25
S139	139	(56/328.1.ccls. or 56/340.1.ccls.) and mass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/17 13:25
S138	52	((reaction or reactive) same mass) and shak \$3 and vibrat\$4 and unidirection\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/17 11:57
S137	1974	((reaction or reactive) same mass) and shak \$3 and vibrat\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/17 11:23
S136	331	56/340.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/17 11:15
S135	28	("2506736" "2754687" "3041811" "3044310" "3121304" "3307434" "3392517" "3406508" "3509702" "3594999" "3596455" "3771768" "3780510" "3913409" "4031626").PN. OR ("4170100").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 11:01
S134	1	("4170100").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/07/17 10:57
S133	15	("3310128" "3550719" "3779335" "3800907" "3884324" "4108271" "4116300").PN. OR ("4316521").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 10:39

S132	27	("3557900" "3905446" "4011923" "4108271" "4114722" "4116300" "4118994" "4135598" "4271923" "4316521" "4341282" "4388981" "4390077" "4402381" "4492285" "4700804" "4770269" "4799572" "4959818" "5000285" "5018598" "5229554" "5401919" "5666328" "5967297" "6065562" "6460803").FN. OR ("7364008").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 10:33
S131	2	"20050252711"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/17 10:32
S130	20	("3106982" "3270832" "3306391" "3690402" "3866709" "3884324" "3929206").FN. OR ("4114722").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 10:31
S129	20	("3106982" "3270832" "3306391" "3690402" "3866709" "3884324" "3929206").FN. OR ("4114722").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 09:48
S128	27	("3282372" "3287696" "3866709" "3934673" "3983957" "4033429" "4040003" "4144949" "4207619" "4252209" "4388981" "4675852" "4703343" "4805725" "4965774" "4991685" "5031158" "5063542").FN. OR ("5382760").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 09:29

S127	20	("3280938" "3282372" "3363720" "3550719" "3578102").PN. OR ("3866709").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 09:27
S126	20	("3106982" "3270832" "3306391" "3690402" "3866709" "3884324" "3929206").PN. OR ("4114722").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 09:22
S125	1	("4705137").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/07/17 09:12
S124	11	("3034594" "3280935" "4631964" "4705137" "4853906").PN. OR ("4959818").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 09:08
S123	27	("3557900" "3905446" "4011923" "4108271" "4114722" "4116300" "4118994" "4135598" "4271923" "4316521" "4341282" "4388981" "4390077" "4402381" "4492285" "4700804" "4770269" "4799572" "4959818" "5000285" "5018598" "5229554" "5401919" "5666328" "5967297" "6065562" "6460803").PN. OR ("7364008").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 09:02
S122	6	("20080123471" "2776560" "4159464" "5172345" "7136325").PN. OR ("7477573").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 08:43
S121	304	367/189,190.ccls.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 08:38

S120	8	("3593335" "4106586" "4388981" "4450928" "4641725").PN. OR ("4785430").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/17 08:22
S119	15	(sweep same frequency same vibrator) and shaker	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/17 08:15
S118	27	("3045476" "3141325" "3208550" "3216525" "3761874" "3840090" "3854118" "3881167" "4049077" "4063613").PN. OR ("4184144").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/16 17:26
S117	13	("4004267" "4106586" "4388981" "4450928" "4512001" "4680741" "4692912" "4706231" "4724532" "4855967" "4922473" "5115880" "5137109").PN. OR ("5331607").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/16 17:20
S116	12	("3208550" "3216525" "3516510" "4049077" "4184144").PN. OR ("4706231").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/16 17:12
S115	17	S114 and (cylinder same piston)	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/16 17:09
S114	919	((reaction or sliding) same mass) same shaker	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/16 17:09
S113	607	S105 and (cylinder same piston)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/16 16:13

S112	35	("1802987" "2632331" "2875731" "3023628" "3845827" "4276941" "4279091" "4346768" "4385665" "4442906" "4478293" "4567951" "4592431" "4984640" "4991664" "5355964" "5511533" "6000310" "6015017" "6112830" "6415876" "6488195" "6763897" "6907943" "7096973" "7252157").PN. OR ("7331407").URPN.	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/16 15:56
S110	1	("7331407").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/07/16 15:49
S109	459	linear vibrator generator	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/16 14:41
S108	17	linear vibrator generator hydraulic	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/16 12:58
S107	4507	((reaction or sliding) same mass) same vibration	US-PGPUB; USPAT; USOCR	SAME	ON	2009/07/16 12:46
S105	4687	((reaction or sliding) same mass) same vibration	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/16 12:45
S103	14	S98 and S102	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/15 18:05
S102	43192	((reaction or sliding) same mass) and (vibrat \$3 or shak\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/15 18:05

S101	2	((jackhammer same pavement) and ((reaction or sliding) same mass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/15 18:00
S100	21	jackhammer and ((reaction or sliding) same mass)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/15 17:58
S99	751	jackhammer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/15 17:58
S98	492	172/40.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/15 17:56
S97	792	(piston same cylinder same (sliding or slide or slidable) same mass) and (vibrat\$4 or shake?)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/15 17:54
S96	1189	(piston same (sliding or slide or slidable) same mass) and (vibrat\$4 or shake?)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/15 17:54
S95	32317	((reaction) same mass) and (vibrat\$4 or shake?)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/15 17:54
S94	9666	((sliding or slide or slidable) same mass) and (vibrat\$4 or shake?)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/15 17:53
S93	51164	(sliding or slide or slidable) same mass	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/15 17:53
S92	141	crop same pickup same header and ("56"/\$. ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/09 11:08

S91	0	crop same pickup same header same ("56"/\$. ccls.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/09 11:08
S90	94	74/828.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/09 10:00
S89	167	friction same teflon same hydraulic same cylinder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/07 17:01
S88	5717	friction same reduc\$g same cylinder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/07 17:00
S87	96	vibrat\$3 and (piston same cylinder same slide same cage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/07/07 16:35
S86	324	vibrat\$3 same piston same cylinder same slide	US-PGPUB; USPAT	SAME	ON	2009/07/07 12:13
S85	1678	vibrat\$3 same piston same cylinder same slide	US-PGPUB; USPAT; USOCR; EPO	SAME	ON	2009/07/07 12:13
S83	0	S80 and shake	US-PGPUB; USPAT; USOCR; EPO	SAME	ON	2009/06/30 08:19
S82	1	S80 and shaker	US-PGPUB; USPAT; USOCR; EPO	SAME	ON	2009/06/30 08:19
S81	3510	vibrat\$3 same piston same cylinder same (cage or bar or frame)	US-PGPUB; USPAT; USOCR; EPO	SAME	ON	2009/06/30 08:19
S79	159	vibrat\$3 same piston same cylinder same cage	US-PGPUB; USPAT; USOCR; EPO	SAME	ON	2009/06/30 08:19
S78	1	"4255919".PN.	USPAT; USOCR	SAME	ON	2009/06/30 07:26

S77	1	("5842333").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2009/06/30 07:16
S76	25	vibrat\$3 same reaction same mass same cage	US-PGPUB; USPAT; USOCR; EPO	SAME	ON	2009/06/29 16:31
S75	607	S74 and (vibratory or vibration or vibrate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/06/29 16:00
S74	4008	piston same cylinder same (cage or frame or support) same (friction same reduc\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/06/29 16:00
S73	146226	piston same cylinder same (cage or frame or support)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/06/29 15:59
S72	5458	piston same cylinder same cage	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/06/29 15:58
S71	16	vibrat\$5 same cylinder same (cage or bar) same teflon	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/06/29 15:52
S70	22	("20040079065" "3225529" "3225539" "3406508" "3460329" "3570230" "3771301" "3793815" "4128986" "4223515" "4254608" "4893459" "5413453" "5473875" "6658834" "6945022" "6978591").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/06/29 15:22
S69	166	vibrat\$5 same cylinder same slid\$3 same (cage or bar) same friction	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/06/29 14:54

S68	1309	vibrat\$5 same cylinder same slid\$3 same (cage or bar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/06/29 14:52
S67	4777	vibrat\$5 same cylinder same (cage or bar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/06/29 14:51
S66	13	(vibrat\$5 same (fruit or olive or tree)) and (cage same bar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/06/25 17:21
S65	48374	vibrat\$5 same (cage or bar)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	SAME	ON	2009/06/25 17:21

EAST Search History (Interference)

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Vibrating\10587151 - Device for Picking Fruit.wsp